MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

THIS MATERIAL SAFETY DATA SHEET IS AVAILABLE IN SPANISH UPON REQUEST.

LOS DATOS DE SEGURIDAD DEL PRODUCTO PUEDEN OBTENERSE EN ESPANOL SI LO REQUIERE.

PRODUCT NAME : Kwik Seal Plus K & B Caulk With Microban, All colors
UPC NUMBER : 7079818526, 7079818530, 7079818546, 7079818536, 7079818510, 7079818516, 7079818513,7079818539, 7079818519
PRODUCT USE/CLASS : Latex caulk

MANUFACTURER:
DAP INC.
2400 BOSTON STREET
BALTIMORE, MD 21224
PREPARE DATE : 06/18/2003
REVISION NO. : 1
REVISION DATE: 11/17/2004

24 HOUR EMERGENCY:
TRANSPORTATION: 1-800-535-5053 (352-323-3500)
MEDICAL : 1-800-327-3874 (513-558-5111)

GENERAL INFORMATION:
DAP INC. : 1-888-DAP-TIPS (1-888-327-8477)

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	RANGE
01	Calcium Carbonate	1317-65-3	50-50 %
02	Phthalate ester	Proprietary	1-5 %
03	Ethylene glycol	107-21-1	0.1-1 %
04	Ammonia	7664-41-7	<0.06 %
05	Acrylonitrile	107-13-1	<0.0003 %
06	Acetaldehyde	75-07-0	<0.03 %
07	Formaldehyde	50-00-0	<0.04 %
08	Vinyl Acetate	108-05-4	<0.03 %
09	Ethyl Acrylate	140-88-5	<0.002 %
10	Acrylamide	79-06-1	<0.0007 %

EXPOSURE LIMITS

ITEM	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING	COMPANY TLV-TWA	SKIN
01	10 mg/m3	N.E.	5 mg/m3	N.E.	N.E.	NO
02	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
03	N.E.	100 mg/m3*	N.E.	N.E.	N.E.	NO
04	25 ppm	35 ppm	50 ppm	N.E.	N.E.	NO
05	2 ppm	N.E.	2 ppm	10 ppm	N.E.	YES
06	N.E.	25 ppm*	200 ppm	N.E.	N.E.	NO
07	N.E.	0.3 ppm*	0.75 ppm	2 ppm (STEL)	N.E.	**
08	10 ppm	15 ppm	N.E.	N.E.	N.E.	N.E.
09	5 ppm	15 ppm	25 ppm	N.E.	N.E.	YES
10	0.03 mg/m3	N.E.	0.3 mg/m3	N.E.	N.E.	YES

(See Section 16 for abbreviation legend), * - TLV-Ceiling Value

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Remaining ingredients are not considered hazardous per the OSHA Hazard Communication Standard.

Listed Permissible Exposure Levels (PEL) are from the U.S. Dept. of Labor OSHA Final Rule Limits (CFR 29 1910.1000); limits may vary between states. ** See Appendix C to 29 CFR 1910.1048 (Section II. A. 3.).

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: A thick white or variously colored paste with a mild sweet odor.

WARNING! May cause eye, skin, nose, throat and respiratory tract irritation. Harmful if swallowed or absorbed through the skin. Presents little or no hazard (if spilled) and / or no unusual hazard if involved in a fire.

POTENTIAL HEALTH EFFECTS:

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause allergic skin reaction. Prolonged or repeated contact with skin may cause irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Vapor may cause nose, throat and respiratory tract irritation.

EFFECTS OF OVEREXPOSURE - INGESTION: Harmful if swallowed. Ingestion of ethylene glycol can cause gastrointestinal irritation, nausea, vomiting, diarrhea and if ingested in sufficient quantities, death.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Repeated or prolonged exposure may cause skin, respiratory, kidney, cardiovascular and liver damage. Ethylene glycol has been shown to cause birth defects in laboratory animals. Prolonged and repeated skin contact may cause dermatitis.

This product contains trace amounts of free formaldehyde. In a two-year inhalation study, rats showed carcinogenic effects in the respiratory system at 15 ppm of formaldehyde. OSHA, NTP and IARC identify formaldehyde as a potential carcinogen. Formaldehyde has been shown to cause mutations in a variety of in-vitro test systems, the significance of which to humans is unknown. Risk of cancer depends on duration and level of exposure. There should be minimal risk when used with ventilation adequate to keep the atmospheric concentration of formaldehyde below the recommended exposure limit. Maintain adequate ventilation to prevent exposure above current OSHA / ACGIH exposure limits. Workplace monitoring of the air to define formaldehyde exposure levels may be necessary.

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SECTION 3 - HAZARDS IDENTIFICATION

This product contains trace amounts of acrylonitrile. It is exempt from the OSHA acrylonitrile standard 29 CFR 1910.1045, paragraph (a) (2) (ii). Acrylonitrile has been classified by IARC as possibly carcinogenic to humans, by OSHA as carcinogenic and by NTP as reasonably anticipated to be a human carcinogen.

This product may contain small amounts of vinyl acetate. Vinyl acetate is identified by IARC as a potential carcinogen. Lifetime exposure to high vapor concentrations (600 ppm) of vinyl acetate caused malignant and benign tumors of the respiratory tract of rats, but not mice.; this response possibly being associated with the irritant effect. Vinyl acetate has been tested for carcinogenic potential in rats in two separate drinking water studies. In one study in which animals were exposed to concentrations up to 0.5% in water, there was no evidence of carcinogenicity. Male rates receiving vinyl acetate at high concentrations in drinking water (0.5%) for two generations possibly demonstrated a decreased ability to produce offspring. In the second study, conducted at higher concentrations (up to 1% in water), evidence of cancer in the stomach and oral cavities was observed. There is no evidence that has caused cancer in humans. There should be minimal risk when used with ventilation adequate to keep the atmospheric concentration of vinyl acetate below the recommended exposure limit.

Carcinogen Information Summary:

Chemical	ACGIH	OSHA	IARC	NTP
Acetaldehyde	Confirmed animal carcinogen with unknown relevance to humans	----	Possible carcinogen	Anticipated carcinogen
Vinyl Acetate	Confirmed animal carcinogen with unknown relevance to humans	----	Possible carcinogen	----
Formaldehyde	Suspected human carcinogen	Potential cancer hazard	Probable carcinogen	Anticipated carcinogen
Acrylamide	Confirmed animal carcinogen with unknown relevance to humans	----	Probable carcinogen	Anticipated carcinogen
Acrylonitrile	Confirmed animal carcinogen with unknown relevance to humans	Cancer hazard	Possible carcinogen	Anticipated carcinogen

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SECTION 3 - HAZARDS IDENTIFICATION

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: None known.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT, INHALATION, EYE CONTACT

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Immediately flood with large quantities of water for at least 15 minutes until irritation subsides. Get medical attention immediately.

SKIN CONTACT: Wash thoroughly with soap and water.

INHALATION: Remove to fresh air. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued breathing difficulty is experienced, get medical attention immediately.

INGESTION: DO NOT INDUCE VOMITING. Get medical attention immediately.

COMMENTS: Call 1-800-327-3874 if any irritation or complications arise from any of the above routes of entry.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: >200 F (SETAFLASH CLOSED CUP)

LOWER EXPLOSIVE LIMIT: N.A.
UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: N.A.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Use absorbent material or scrape up dried material and place into containers.

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SECTION 7 - HANDLING AND STORAGE

HANDLING INFORMATION: KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. Avoid contact with skin. Avoid contact with eyes. Do not get on clothing. Use only with adequate ventilation. Avoid breathing vapors. Ensure fresh air entry during application and drying by opening windows and doors. Keep container closed when not in use. Wash thoroughly after handling.

STORAGE INFORMATION: Store away from caustics and oxidizers. Keep containers tightly closed when not in use. Keep containers from excessive heat and freezing. Do not store at temperatures above 120 degrees F.

OTHER PRECAUTIONS: None known.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels. Local ventilation of emission sources may be necessary to maintain ambient vapor concentrations below recommended exposure limits.

RESPIRATORY PROTECTION: A NIOSH-approved air purifying respirator with an organic vapor cartridge or canister may be necessary under certain circumstances where airborne vapor concentrations are expected to exceed exposure limits. A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

EYE PROTECTION: Wear safety glasses with side shields.

SKIN PROTECTION: Rubber gloves.

OTHER PROTECTIVE EQUIPMENT: None.

HYGIENIC PRACTICES: Wash contaminated clothing before reuse. Wash hands before breaks and at the end of workday.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 210 - 220 F	VAPOR DENSITY	: Is heavier than air
ODOR	: Slight acrylic odor		
APPEARANCE	: Colored paste	EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O	: Negligible		
SPECIFIC GRAVITY	: 1.4 -1.5	pH: N.E. (Less than 11 greater than 3)	
VAPOR PRESSURE	: 17 mm Hg @ 68 F.		
PHYSICAL STATE	: Paste		

(See Section 16 for abbreviation legend)

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SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat and freezing.

INCOMPATIBILITY: Strong oxidizers and caustics.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal decomposition products, i.e. COx, NOx

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

The toxicological properties of this material are unknown.

Toxicological Information Summary:

Chemical	LD50	LC50
Ethylene glycol	Rat: 4700 mg/Kg	Rat: 10,876 mg/Kg
Vinyl Acetate		Rat: 11,400 mg/m3
Formaldehyde		Rat: 203 mg/m3
Acrylamide	Oral Rat: 124g/Kg	
Acrylonitrile	Oral Rat: 78g/Kg	Rat: 425 ppm/H
Acetaldehyde		Rat: 13,300 ppm/4H
Ethyl Acrylate		Rat: 1,414 ppm/4H

SECTION 12 - ECOLOGICAL INFORMATION

No Information.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT/DISPOSAL: Dispose of according to Federal, State, and Local Standards. This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulations, 40 CFR Section 261. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

EPA WASTE CODE - If discarded (40 CFR 261): None.

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SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by D.O.T.
DOT HAZARD CLASS: NONE
DOT UN/NA NUMBER: NONE PACKING GROUP: NONE

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA SECTION 313:
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

None

TOXIC SUBSTANCES CONTROL ACT:
This product contains the following chemical substances subject to the reporting requirements of TSCA 12b if exported from the United States:

2682-20-4	2-Methyl-4-isothiazolin-3-one
26172-55-4	5-Chloro-2-methyl-4-isothiazolin-3-one

NEW JERSEY RIGHT-TO-KNOW:
The following materials are non-hazardous, but are among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
Acrylic polymer	TSRN-618608-5059P
Water	7732-18-5

PENNSYLVANIA RIGHT-TO-KNOW:
The following non-hazardous ingredients are present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
Acrylic polymer	Proprietary
Water	7732-18-5

CALIFORNIA PROPOSITION 65:
WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

CHEMICAL NAME	CAS NUMBER
Crystalline silica	14808-60-7
Formaldehyde	50-00-0
Ethyl acrylate	140-88-5
Acetaldehyde	75-07-0
Acrylamide	79-06-1
Acrylonitrile	107-13-1
Lead	9739-92-1

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SECTION 15 - REGULATORY INFORMATION

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: Not Regulated.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 9/24/2001

VOC less water, less exempt solvents: < 45 g/L (< 3%)

LEGEND:
- ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
- N.A. - NOT APPLICABLE
- N.E. - NOT ESTABLISHED
- PEL - PERMISSIBLE EXPOSURE LIMIT
- NTP - NATIONAL TOXICOLOGY PROGRAM
- SARA - SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986
- STEL - SHORT TERM EXPOSURE LIMIT
- TLV - THRESHOLD LIMIT VALUE(8 HR. TIME WEIGHTED AVERAGE OR TWA)
- VOC - VOLATILE ORGANIC COMPOUND
- NJRTK - NEW JERSEY RIGHT TO KNOW LAW
- N.D. - NOT DETERMINED

MSDS# 10025

This data is offered in good faith as typical values and not as a product specification. No warranty either express or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review the recommendations in specific context of the intended use and determine if they are appropriate.

< End OF MSDS >